

## ARSENIC AND METALS REMOVAL FROM SUSIE/VALLEY FORGE MINE FIELD-SCALE DEMONSTRATION

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The overall objective of MWTP, Activity III, Project 42, *Physical Solutions for Acid Mine Drainage at Remote Sites* is to design, construct, and test the operation and functionality of a treatment facility to remove arsenic and heavy metals from the selected demonstration site, the Susie/Valley Forge Mine discharge in Rimini, Montana. The concept for this novel approach would be to utilize the physical characteristics of the mine in such a way as to enhance the overall efficiency of the proposed treatment process. The goal for the Process is to treat the Susie Mine water to meet the Montana Circular WQB-7 Standards or to less than 10 µg/L. The bench-scale results and work todate will be presented and discussed in this presentation.